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10/691,886	10/23/2003	Timothy P. McKee	MFCP 108799	8989
45809 7590 12/15/2008 SHOOK, HARDY & BACON L.L.P. (c/o MICROSOFT CORPORATION) INTELLECTUAL PROPERTY DEPARTMENT 2555 GRAND BOULEVARD KANSAS CITY, MO 64108-2613				
EXAMINER				
STACE, BRENT S				
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/691,886

Applicant(s)

MCKEE ET AL.

Examiner

BRENT STACE

Art Unit

2161

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 October 2008.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-41 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-41 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 10 October 2007 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-8508)
4) ☐ Interview Summary (PTO-413)
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____
Paper No(s)/Mail Date _____

DETAILED ACTION

Remarks

1. This communication is responsive to the amendment filed October 13th, 2008. Claims 1-41 are pending. In the amendment filed October 13th, 2008, Claims 1, 30, and 41 are amended and Claims 1, 30, and 41 are independent.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/13/08 has been entered.

Response to Arguments

3. Some of the Applicant's arguments filed October 13th, 2008 with respect to claims 1-41 have been considered but are not persuasive.
4. As to the applicant's arguments with respect to Claims 1-41 for the prior art(s) (Toolbox and Stuffit) allegedly not teaching **“present a set of items containing said metadata to the user...with a menu”** wherein **“said menu is generated by selecting a portion of said user-selectable tasks from the metadata**

accompanying multiple items from said set of items”,” the examiner respectfully disagrees. As shown with the citations below, Toolbox shows (presents) documents, applications, and generally files (a set of items) to a user. These files have metadata attached to them in the form of icons and data representing what icons to use for the files. Stuffit, then teaches a contextual menu that is automatically presented upon a control/right click. The contextual menu is populated with only chosen menu selections based on the item selected. As such, the menu is generated by selecting a portion of user selectable tasks from metadata (of item type selected) accompanying each item (items) from said set of items. Toolbox combined with Stuffit teaches the claimed limitations as claimed.

5. As to the applicant's arguments with respect to Claims 1-41 for the prior art(s) (Toolbox and Stuffit) allegedly not teaching **“automatically presenting along with the one or more requested items a menu containing at least a portion of the selected tasks obtained from said multiple of said one or more items,”** the examiner respectfully disagrees. It should be noted that the phrase “multiple of said one or more items” is unclear and has been rejected under 112 second paragraph below. Toolbox's citing(s) teach automatically presenting one or more requested items in a window format. As discussed above, Stuffit teaches a contextual menu that is automatically presented upon a control/right click. The contextual menu is populated with only chosen menu selections based on the item selected. As such, the menu is generated by selecting a portion of user selectable tasks from metadata (of item type selected)

accompanying each item (items) from said set of items (obtained from said multiple of said one or more items)

6. As to the applicant's arguments with respect to Claims 1-41 for the prior art(s) (Toolbox and Stuffit) allegedly not teaching "a **“display presentation component” that treats differently “a set of items of heterogeneous types a” and “a set of items of a homogenous-type”**," the examiner respectfully disagrees. Toolbox has a display presentation component in that items are presented to a user in a GUI format (see associated figures in Toolbox). This display presentation component treats a set of items of heterogeneous types different from a set of items of a homogenous-type in that they are displayed differently in the computer GUI. Items of mixed types are displayed according to their associatedly assigned icons (Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph – assigned via developers), while items of no type are displayed according to their default finder icons (Toolbox, p. 810).
7. As to the applicant's arguments with respect to Claims 1-41 for the prior art(s) (MacOSXHints and Landau) allegedly not teaching **“generating menus by selecting menu-tasks for the metadata accompanying different files in a set of files,”** the examiner respectfully submits that the rejections using these arts have been withdrawn and this argument is moot.
8. The other claims argued merely because of a dependency on a previously argued claim(s) in the arguments presented to the examiner, filed October 13th, 2008, are moot in view of the examiner's interpretation of the claims and art and are still

considered rejected based on their respective rejections from at least a prior Office action (part(s) of recited again below).

Response to Amendment

Prior Art

9. The examiner would like to note that the prior art of record and used in the rejections below, MacOSXHints (<http://www.macosxhints.com/article.php?story=20030305025744788>) and MacOSXHints2 (<http://www.macosxhints.com/article.php?story=20030409015020645>), were published less than a year prior to the filing date of the present application making them prior art under 35 USC § 102(a). However, these references refer solely to an operating system's behavior where the operating system's public release date is a 35 USC § 102(b) date.

Specification

10. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Drawings

11. Since the lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors, Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the drawings. For example, the drawings should be carefully checked to ensure that all reference numerals are described in the specification, that no one reference numeral describes two separate drawing elements, or that the specification contains no reference to numerals not in the drawings.

Claim Rejections - 35 USC § 101

12. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

13. Claims 30-40 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The method is not (1) tied to another statutory class (such as a particular apparatus) nor does the method (2) transform underlying subject matter (such as an article or materials) to a different state or thing. As such, the process/method is not a patent eligible process under 35 USC § 101.

Claim Rejections - 35 USC § 112

14. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

15. Claims 1-41 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The examiner could not find support in the specification for the amended limitations. Specifically the limitations involving a "menu" do not appear to be supported. Additionally, the limitations involving a "multiple items" did not appear to be supported. This appears to be new matter.

16. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

17. Claims 30-40 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 31 recites "multiple of said one or more requested items" in lines 11 and 15-16. This phraseology is unclear if the applicant intends one item or multiple items. This rejection propagates downward through dependent Claims 31-40.

Claim Rejections - 35 USC § 103

18. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

19. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

20. Claims 1-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over "Inside Macintosh: Macintosh Toolbox Essentials" (Toolbox) in view of Stuffit Deluxe User's Guide (Stuffit).

For **Claim 1**, Toolbox teaches: "A computer system for presenting a plurality of items of multiple types to a user, [Toolbox, p.802, Fig. 7-1 with the Toolbox, p.801, last paragraph] the system comprising:

- a universal data store containing said plurality of items stored in accordance with a universal data schema, [Toolbox, p.802, Fig. 7-1 with Toolbox, p. 803, paragraph under Fig. 7-2] wherein at least a portion of the items contain metadata defining visual elements... [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph] and
- a shell for presenting said plurality of items in the universal data store to a user, [Toolbox, p.815, paragraph under "Creating Customized Document Icons" with

Toolbox, p.802, Fig. 7-1] wherein the shell is configured to present a set of items containing said metadata to the user with a visual representation...defined by said metadata [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph with Toolbox, p. 802, Fig. 7-1 with Toolbox, p. 810, Fig. 7-5] and further configured to present items without said corresponding metadata to the user in accordance with a default display view [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph]...wherein said visual representation is generated by selecting a portion of said visual elements from the metadata accompanying multiple items from said set of items" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Toolbox discloses the above limitations but does not expressly teach:

- "...and defining user-selectable tasks;
- ...and with a menu of said user-selectable tasks...wherein said shell is further configured to launch at least one application in response to a user input selecting one or more of said user-selectable tasks from said menu...wherein said menu is generated by selecting a portion of said user-selectable tasks from the metadata accompanying multiple items from said set of items."

With respect to Claim 1, an analogous art, Stufflt, teaches:

- "...and defining user-selectable tasks; [Stufflt, p. 84, last two full paragraphs relating to StuffltCM with Stufflt, p. 86, the figure]

- ...and with a menu of said user-selectable tasks [Stuffit, p. 84, last two full paragraphs relating to StuffitCM with Stuffit, p. 86, the figure]...wherein said shell is further configured to launch at least one application in response to a user input selecting one or more of said user-selectable tasks from said menu, [Stuffit, p. 84, last two full paragraphs relating to StuffitCM with Stuffit, p. 86, the figure and text with Stuffit, p. 78, paragraph above number 3 in "Stuff and Mail..."]
...wherein said menu is generated by selecting a portion of said user-selectable tasks from the metadata accompanying multiple items from said set of items" [Stuffit, p. 84, last two full paragraphs relating to StuffitCM with Stuffit, p. 86, the figure and text with Stuffit, p. 78, paragraph above number 3 in "Stuff and Mail..."].

It would have been obvious to one of ordinary skill in the art at the time of invention having the teachings of Stuffit and Toolbox before him/her to combine Stuffit with Toolbox because both inventions are directed towards using a GUI on a computer with icons for files, folders, and applications.

Stuffit's invention would have been expected to successfully work well with Toolbox's invention because both inventions use the Mac OS GUI with icons for files, folders, and applications. Toolbox discloses a how icons work in the Mac OS comprising default icons, custom icons, and icons in the file's bundle resource. However, Toolbox does not expressly disclose defining, indicating or launching application(s) of user-selectable tasks. Stuffit discloses a compression utility with Mac

OS integration comprising contextual menus that can stuff and email archived file system objects.

It would have been obvious to one of ordinary skill in the art at the time of invention having the teachings of Stufflt and Toolbox before him/her to take the contextual menus from Stufflt and install it into the invention of Toolbox, thereby offering the obvious advantage of sending email with compressed attachments all with point and click simplicity (Stufflt, p. 3, lines 1-2) and offering only choices needed for selected content (Stufflt, p. 86, Stufflt Menu).

Claim 2 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 1, wherein said universal data schema includes one or more declared properties" [Toolbox, p.815, third to last paragraph, note the Finder flags, p. 7-34 says that finder flags are per document and with the document].

Claim 3 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 2, wherein each of said plurality of items includes declarations associated with said one or more declared properties" [Toolbox, p.815, third to last paragraph].

Claim 4 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 2, wherein said shell utilizes said one or more declared properties to present the items without said corresponding metadata in accordance with said default display view" [Toolbox, p.815, paragraph under "Creating Customized Document Icons"].

Claim 5 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 1, wherein said metadata includes item decoration data" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Claim 6 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 5, wherein said item decoration data identifies a subset of said metadata containing high value data" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Claim 7 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 6, wherein said high value data is associated with information to be displayed to a user" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Claim 8 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 5, wherein said item decoration data includes data indicating a format aspect associated with presentment of said metadata to a user" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Claim 9 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 8, wherein said format aspect is selected from the group consisting of data formatting, sort order, icon formatting, and associated controls" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Claim 10 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 8, wherein said format aspect includes one or more verbs, said verbs being associated with operations to be performed on selected items" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph with Toolbox, p.802, Fig. 7-1 or Stufflt, p. 86, the figure].

Claim 11 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 10, wherein said operations are performed by one or more applications launched to perform said verbs with respect to said selected items" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph with Toolbox, p.802, Fig. 7-1 Stufflt, p. 86, the figure].

Claim 12 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 1, wherein said shell is further configured to present a set of items selected from said plurality of items according to a shell decoration view" [Toolbox, p. 848, frView with Toolbox, p. 855, last full paragraph with Toolbox, pgs. 857-858, last paragraph spanning the pages with the following paragraph].

Claim 13 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 12, wherein said set of items includes one or more items having metadata stored in accordance with a first item decoration schema and further includes one or more items having metadata stored in accordance with a second item decoration schema" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Claim 14 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 12, wherein said shell decoration view includes one or more display aspects appropriate for displaying each of said set of items to a user" [Toolbox, p. 848, frView with Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Claim 15 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 14, wherein each of said set of items include a common characteristic" [Toolbox, p.802, Fig. 7-1 with the Toolbox, p.801, last paragraph].

Claim 16 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 15, wherein said common characteristic is selected from the group consisting of document file, image file, audio file, and video file" [Toolbox, p.802, Fig. 7-1 with the Toolbox, p.801, last paragraph].

Claim 17 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 12, wherein said one or more of said set of items are associated with an item decoration view that conflicts with said shell decoration view" [Toolbox, p.855, last paragraph].

Claim 18 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 12, wherein said shell is further configured to present one or more of said set of items with decorative elements associated with an item decoration view and wherein said decorative elements do not conflict with said shell decoration view" [Toolbox, p.855, last paragraph with Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Claim 19 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 1, wherein said shell is further configured to present items selected from said plurality of items according to an explorer display view" [Toolbox, p. 848, frView with Toolbox, p. 855, last full paragraph with Toolbox, pgs. 857-858, last paragraph spanning the pages with the following paragraph].

Claim 20 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 19, wherein said explorer display view includes one or more decorative properties" [Toolbox, p. 848, frView with Toolbox, p. 855, last full paragraph with Toolbox, pgs. 857-858, last paragraph spanning the pages with the following paragraph].

Claim 21 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 19, wherein said explorer display view includes one or more shell display views, and wherein one of said shell display views is utilized to display a set of explorer items" [Toolbox, p. 848, frView with Toolbox, p. 855, last full paragraph with Toolbox, pgs. 857-858, last paragraph spanning the pages with the following paragraph].

Claim 22 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 21, wherein said shell display view includes one or more display aspects appropriate for displaying each of said set of explorer items to a user" [Toolbox, p. 848, frView with Toolbox, p. 855, last full paragraph with Toolbox, pgs. 857-858, last paragraph spanning the pages with the following paragraph].

Claim 23 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 22, wherein each of said set of explorer items include a common characteristic" [Toolbox, p.802, Fig. 7-1 with Toolbox, p. 848, frView].

Claim 24 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 21, wherein said explorer display view is configured to utilize a shell display view not included with an explorer to display an item which cannot be displayed according to said one or more shell display views included with said explorer display view" [Toolbox, p. 855, last full paragraph].

Claim 25 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 21, wherein said explorer display view is configured to display an explorer item which is not associated with a shell display view according to an item decoration view" [Toolbox, p. 855, last full paragraph with Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Claim 26 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 21, wherein said explorer display view is configured to display an explorer item which is not associated with an item decoration view according to said default display view" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Claim 27 can be mapped to Toolbox (as modified by Stufflt) as follows: "The computer system of Claim 19, wherein said explorer display view includes one or more

data queries associated with said explorer display view" [Toolbox, p. 855, last full paragraph].

Claim 28 can be mapped to Toolbox (as modified by Stuffit) as follows: "The computer system of Claim 19, wherein said explorer display view includes one or more verbs, said verbs being associated with an operation to be performed on a selected explorer item" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph with Toolbox, p.802, Fig. 7-1 or Stuffit, p. 86, the figure].

Claim 29 can be mapped to Toolbox (as modified by Stuffit) as follows: "The computer system of Claim 28, wherein said operation is performed by an application launched to perform at least one of said one or more verbs with respect to said selected explorer item" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph with Toolbox, p.802, Fig. 7-1 or Stuffit, p. 86, the figure].

For **Claim 30**, Toolbox teaches: "A computer implemented method for presenting a plurality of items stored in a universal data store to a user, [Toolbox, p.802, Fig. 7-1 with the Toolbox, p.801, last paragraph with Toolbox, p.802, Fig. 7-1] the method comprising:

- accessing said universal data store in response to a request to present said plurality of items to the user, [Toolbox, p.802, Fig. 7-1 with Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph] wherein said plurality of items are stored are in accordance with a

universal data schema, [Toolbox, p. 803, paragraph under Fig. 7-2] and wherein at least a portion of said plurality of items contain metadata stored in accordance with an item decoration schema, wherein said metadata defines a visual representation of an item [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph]...

- for at least a portion of one or more requested items, accessing said metadata contained in multiple of said one or more requested items [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph]...
- [automatically presenting] along with the one or more requested items..." [Toolbox, p.815, paragraph under "Creating Customized Document Icons" with Toolbox, p.802, Fig. 7-1].

Toolbox discloses the above limitations but does not expressly teach:

- ...and further defines a plurality of user-selectable tasks that may be performed with respect to said item;
- [automatically presenting] ...a menu containing at least a portion of the selected tasks obtained from said multiple of said one or more items;
- ...receiving a user input selecting one of a plurality of user-selectable tasks from said menu;
- ...directing said at least one application to perform the selected user-selectable task with respect to said one or more requested items"

- "...to select tasks from said plurality of user-selectable tasks stored in said metadata;
- ...launching at least one application in response to said user input."
With respect to Claim 30, an analogous art, Stufflt, teaches:
- ...and further defines a plurality of user-selectable tasks that may be performed with respect to said item; [Stufflt, p. 84, last two full paragraphs relating to StuffltCM with Stufflt, p. 86, the figure]
- [automatically presenting] ...a menu containing at least a portion of the selected tasks obtained from said multiple of said one or more items; [Stufflt, p. 84, last two full paragraphs relating to StuffltCM with Stufflt, p. 86, the figure]
- ...receiving a user input selecting one of a plurality of user-selectable tasks from said menu; [Stufflt, p. 84, last two full paragraphs relating to StuffltCM with Stufflt, p. 86, the figure]
- directing said at least one application to perform the selected user-selectable task with respect to said one or more requested items" [Stufflt, p. 84, last two full paragraphs relating to StuffltCM with Stufflt, p. 86, the figure with Stufflt, p. 78, paragraph above number 3 in "Stuff and Mail..."]
- "...to select tasks from said plurality of user-selectable tasks stored in said metadata; [Stufflt, p. 84, last two full paragraphs relating to StuffltCM with Stufflt, p. 86, the figure]

- ...launching at least one application in response to said user input" [StuffIt, p. 84, last two full paragraphs relating to StuffItCM with StuffIt, p. 86, the figure with StuffIt, p. 78, paragraph above number 3 in "Stuff and Mail..."].

It would have been obvious to one of ordinary skill in the art at the time of invention having the teachings of StuffIt and Toolbox before him/her to combine StuffIt with Toolbox because both inventions are directed towards using a GUI on a computer with icons for files, folders, and applications.

StuffIt's invention would have been expected to successfully work well with Toolbox's invention because both inventions use the Mac OS GUI with icons for files, folders, and applications. Toolbox discloses a how icons work in the Mac OS comprising default icons, custom icons, and icons in the file's bundle resource. However, Toolbox does not expressly disclose defining, indicating or launching application(s) of user-selectable tasks. StuffIt discloses a compression utility with Mac OS integration comprising contextual menus that can stuff and email archived file system objects.

It would have been obvious to one of ordinary skill in the art at the time of invention having the teachings of StuffIt and Toolbox before him/her to take the contextual menus from StuffIt and install it into the invention of Toolbox, thereby offering the obvious advantage of sending email with compressed attachments all with point and click simplicity (StuffIt, p. 3, lines 1-2) and offering only choices needed for selected content (StuffIt, p. 86, StuffIt Menu).

Claim 31 can be mapped to Toolbox (as modified by Stufflt) as follows: "The method of Claim 30, wherein said metadata includes data indicating one or more decorative aspects associated with presentment of said metadata to a user" [Toolbox, p.815, paragraph under "Creating Customized Document Icons"].

Claim 32 can be mapped to Toolbox (as modified by Stufflt) as follows: "The method of Claim 31, wherein presenting a requested item with said corresponding metadata includes presenting said metadata according to one or more of said decorative aspects" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Claim 33 can be mapped to Toolbox (as modified by Stufflt) as follows: "The method of Claim 31, wherein said method further comprises presenting a set of items according to a shell decoration view, [Toolbox, p. 848, frView] wherein said set of items includes one or more items having metadata stored in accordance with a first item decoration schema and further includes one or more items having metadata stored in accordance with a second item decoration schema" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Claim 34 can be mapped to Toolbox (as modified by Stufflt) as follows: "The method of Claim 33, wherein said shell decoration view includes one or more display aspects appropriate for displaying each of said set of items to a user" [Toolbox, p. 848, frView with Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Claim 35 can be mapped to Toolbox (as modified by Stufflt) as follows: "The method of Claim 33, wherein presenting said set of items according to a shell decoration view includes presenting items having item decoration schema which conflicts with said shell decoration view according to said shell decoration view" [Toolbox, p.855, last paragraph].

Claim 36 can be mapped to Toolbox (as modified by Stufflt) as follows: "The method of Claim 30, wherein said method further comprises presenting items according to an explorer display view" [Toolbox, p. 848, frView with Toolbox, p. 855, last full paragraph with Toolbox, pgs. 857-858, last paragraph spanning the pages with the following paragraph].

Claim 37 can be mapped to Toolbox (as modified by Stufflt) as follows: "The method of Claim 36, wherein said explorer display view includes one or more decorative properties [] and one or more shell display views, [Toolbox, p. 848, frView with Toolbox, p. 855, last full paragraph with Toolbox, pgs. 857-858, last paragraph spanning the pages with the following paragraph] and wherein one or more of said shell display views are utilized to display a set of explorer items" [Toolbox, p. 848, frView with Toolbox, p. 855, last full paragraph with Toolbox, pgs. 857-858, last paragraph spanning the pages with the following paragraph].

Claim 38 can be mapped to Toolbox (as modified by Stufflt) as follows: "The method of Claim 37, wherein an item which cannot be displayed according to said one or more shell display views included with said explorer display view is presented

according to a shell display view not included with said explorer display view" [Toolbox, p. 855, last full paragraph].

Claim 39 can be mapped to Toolbox (as modified by Stufflt) as follows: "The method of Claim 37, wherein an item which cannot be displayed according to a shell display view is presented according to an item decoration view" [Toolbox, p. 855, last full paragraph with Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Claim 40 can be mapped to Toolbox (as modified by Stufflt) as follows: "The method of Claim 36, wherein said explorer display view includes one or more verbs, said verbs being associated with an operation to be performed on a selected explorer item" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph with Toolbox, p.802, Fig. 7-1 or Stufflt, p. 86, the figure].

For **Claim 41**, Toolbox teaches: "A shell embodied on one or more computer-readable media and executing on a computer for presenting a plurality of items stored in a universal data store to a user, [Toolbox, p.815, paragraph under "Creating Customized Document Icons" with Toolbox, p.802, Fig. 7-1] the shell comprising:

- a data store interaction component which retrieves metadata contained within one or more of said plurality of items in response to a request to present the one or more items to the user, [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph] wherein said plurality of items are stored in accordance with a universal data schema, [Toolbox, p. 803, paragraph under Fig. 7-2] and wherein at least a portion of said

plurality of items contain said metadata defining visual elements [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph]...and

- a display presentation component which utilizes said retrieved metadata to present at least a portion of said one or more requested items, [Toolbox, p.815, paragraph under "Creating Customized Document Icons" with Toolbox, p.802, Fig. 7-1] wherein said display presentation component is configured to present a set of items of heterogeneous types to the user with a visual representation...defined by said metadata contained in said requested item [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph with Toolbox, p. 802, Fig. 7-1 with Toolbox, p. 810, Fig. 7-5] and further configured to present a set of items of a homogenous-type in accordance with a default display view associated with said homogenous-type... [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph with Toolbox, p. 802, Fig. 7-1 with Toolbox, p. 810, Fig. 7-5]... wherein said visual representation is generated by selecting a portion of said visual elements from the metadata accompanying multiple items from said set of items of heterogeneous types" [Toolbox, p.815, paragraph under "Creating Customized Document Icons" to the second to last paragraph].

Toolbox discloses the above limitations but does not expressly teach:

- "...and defining user-selectable tasks;
- ...and with a menu of said user-selectable tasks

- ...wherein said display presentation component is further configured to launch at least one application in response to a user input selecting one or more of said user-selectable tasks from said menu... wherein said menu is generated by selecting a portion of said user-selectable tasks from the metadata accompanying multiple items from said set of items of heterogeneous types."

With respect to Claim 41, an analogous art, Stufflt, teaches:

- "...and defining user-selectable tasks; [Stufflt, p. 84, last two full paragraphs relating to StuffltCM with Stufflt, p. 86, the figure]
- ...and with a menu of said user-selectable tasks [Stufflt, p. 84, last two full paragraphs relating to StuffltCM with Stufflt, p. 86, the figure]
- ...wherein said display presentation component is further configured to launch at least one application in response to a user input selecting one or more of said user-selectable tasks from said menu, [Stufflt, p. 84, last two full paragraphs relating to StuffltCM with Stufflt, p. 86, the figure with Stufflt, p. 78, paragraph above number 3 in "Stuff and Mail..."] ... wherein said menu is generated by selecting a portion of said user-selectable tasks from the metadata accompanying multiple items from said set of items of heterogeneous types" [Stufflt, p. 84, last two full paragraphs relating to StuffltCM with Stufflt, p. 86, the figure and text with Stufflt, p. 78, paragraph above number 3 in "Stuff and Mail..."].

It would have been obvious to one of ordinary skill in the art at the time of invention having the teachings of Stufflt and Toolbox before him/her to combine Stufflt

with Toolbox because both inventions are directed towards using a GUI on a computer with icons for files, folders, and applications.

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It would have been obvious to one of ordinary skill in the art at the time of invention having the teachings of Stufflt and Toolbox before him/her to take the contextual menus from Stufflt and install it into the invention of Toolbox, thereby offering the obvious advantage of sending email with compressed attachments all with point and click simplicity (Stufflt, p. 3, lines 1-2) and offering only choices needed for selected content (Stufflt, p. 86, Stufflt Menu).

Conclusion

21. Any prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Applicant is advised that, although not used in the rejections above, prior art cited on any PTO-892 form and not relied upon is considered materially relevant to the applicant's claimed invention and/or portions of the claimed invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brent S. Stace whose telephone number is 571-272-8372 and fax number is 571-273-8372. The examiner can normally be reached on M-F 9am-5:30pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Apu M. Mofiz can be reached on 571-272-4080. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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